

Notice of Allowability

Application No.

09/655,403

Applicant(s)

KIM ET AL.

Examiner

Stephen M. D'Agosta

Art Unit

2683

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 7-22-04.
2. ☒ The allowed claim(s) is/are 1-7,9-12,14-20,22-25,31,33,34,36,49,54,57,59-63,65,66,71,74,75 and 77-80.
3. ☒ The drawings filed on 05 September 2000 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

DETAILED ACTION

Response to Arguments

The response filed 7-22-04 overcomes the examiner's prior art rejection. Claims Claiming 1-7, 9-12, 14-20, 22-25, 31, 33-34, 36, 49, 54, 57, 59-63, 65-66, 71, 74-75, and 77-80 are allowed. Claims 26, 28-30, 37, 39-48, 55, 56, and 69 are canceled.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

1. The amendment shows Claim 36 depending from cancelled claim 35. Hence, claim 36 should be changed from "The information slot of claim 35" to "The information slot of claim 34".
2. The amendment shows Claim 78 depending from cancelled claim 76. Hence, claim 78 should be changed from "The method of claim 76" to "The method of claim 77".

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance:

1. Independent claim 1 recites novel features as follows:

A method for transmitting and receiving short message broadcast message in a communication system comprising:

transmitting a broadcast indicator using a common control channel, the broadcast indicator indicating a transmission of a broadcast message on a paging channel or a broadcast channel wherein the common control channel is a different channel from the paging channel or the broadcast channel;

receiving at the mobile station, the broadcast indicator through the common control channel and checking a status of the broadcast indicator; and

receiving at the mobile station the broadcast message through the paging channel or the broadcast channel during a broadcast cycle if the status of the broadcast indicator received through the common control indicates the transmission of the broadcast message on the paging channel or the broadcast channel.

2. Independent claim 15 recites novel features similar to claim 1 and further discloses setting a field to an expanded system parameter message.

3. Independent claim 20 recites novel features similar to claim 1 and further discloses first/second common channels.

4. Independent claim 31 recites novel features similar to claim 1 and further discloses a plurality of paging indicators in the QPCH, Broadcast indicator in the QPCH, indication of mobile in idle state after handoff and use of the information slot.

5. Independent claim 49 recites novel features similar to claim 1 and further discloses QPCH, QPCH_BI_SUPPORTED, BCAST_INDEX not equal to "000" and QPCH offset from common control slots by 100ms.

6. Independent claim 57 recites novel features similar to claim 1 and further discloses and first/second information in overhead messages, wherein first message

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indicates broadcast slot cycle index and second message indicates whether or not the broadcast indicator is supported in the QPCH.

7. Independent claim 31 recites novel features similar to claim 1 and further discloses monitoring control channels for reception of BCAST message, receiving overhead message before receiving BCAST indicator on the QPCH and obtaining first/second information similar to claim 49 above.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stephen M. D'Agosta whose telephone number is 703-306-5426. The examiner can normally be reached on M-F, 8am to 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bill Trost can be reached on 703-308-5318. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Stephen D'Agosta
8-16-04



WILLIAM TROST
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600

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